

ENVIRONMENTAL PROTECTION COMMISSION [567]

Adopted and Filed

Pursuant to the authority of Iowa Code sections 455A.6, and 459.103, the Environmental Protection Commission hereby adopts amendments to Chapter 65, “Animal Feeding Operations,” Iowa Administrative Code.

The adopted changes are technical corrections and additions to the list of major water sources – rivers and streams listed in Table 1 of Chapter 65. The corrections and additions provide a more consistent and accurate representation of these water sources for the state.

Notice of Intended Action was published in the Iowa Administrative Bulletin on November 9, 2005, as ARC 4649B.

A public hearing was held on December 1, 2005, and written comments were received. As a result of the written comments, an additional amendment has been adopted. Subrule 65.11(2) is amended to provide that the separation distance requirement regarding a newly added stream segment does not apply if any of the following occur prior to the effective date of an addition to Table 1: if construction has already commenced for an confinement feeding operation structure that is not required to have a construction permit or a manure management plan; if a manure management plan has been submitted to the department for an confinement feeding operation that is not required to have a construction permit; or if an application for a construction permit has been submitted to the Department.

These amendments are intended to implement Iowa Code section 459.310.

These amendments shall become effective April 5, 2006.

The following amendments are adopted.

ITEM 1. Amend rule 567--65.11(2) as follows:

(2) Separation from surface intakes, wellheads or cisterns of agricultural drainage wells, known sinkholes, water sources and major water sources shall be as specified in Iowa Code section ~~455B.204~~ 459.310 and summarized in Table 6 at the end of this chapter. ~~For the required separation distance to a major water source to apply, the major water source must be included in Table 1 at the end of this chapter at the time an applicant submits an application for a construction permit to the department or at the time a manure management plan is submitted if a construction permit is not required, or at the time construction of the animal feeding operation structure begins (as defined in 65.8(1)) if a construction permit or manure management plan is not required.~~

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ITEM 2. Amend ~~567~~—Chapter 65, Table 1 as follows:

TABLE 1
Major Water Sources—Rivers and Streams

County	River/Stream	Location
Adair	<u>Bush Branch</u>	<u>East county line (S13, T75N, R30W) to confluence with unnamed tributary (S13, T75N, R30W)</u>
	Middle Nodaway River	Adams/Adair Line <u>South county line (S31, T74N, R33W) to Hwy. 92 (S14, T75N, R32W)</u>
	Middle River	All <u>East county line (S36, T76N, R30W) to north county line (S1, T77N, R32W)</u>
	<u>North Turkey Creek</u>	<u>Mouth (S35, T77N, R31W) to confluence with South Turkey Creek (S33, T77N, R31W)</u>
	<u>Shanghai Creek</u>	<u>South county line (S34, T74N, R32W) to confluence with unnamed tributary (SW1/4, S34, T74N, R32W)</u>
	<u>Thompson River</u>	<u>East county line (S12, T74N, R30W) to confluence with Ninemile Creek (S35, T75N, R30W)</u>
	West Fork Middle Nodaway River	Mouth <u>(S33, T74N, R33W) to County Road N51 (S20, T76N, R33W)</u>
Adams	East Nodaway River	Adams/Taylor Line <u>South county line (S31, T71N, R35W) to County Road H24 confluence with Shanghai Creek (S16, T73N, R32W)</u>
	Middle Nodaway River	All <u>West county line (S31, T72N, R35W) to north county line (S6, T73N, R33W)</u>
	<u>Platte River</u>	<u>East line (S24, T71N, R32W) to east line (S36, T72N, R32W)</u>
Allamakee	<u>Shanghai Creek</u>	<u>Mouth (S16, T73N, R32W) to north county line (S3, T73N, R32W)</u>
	Bear Creek	Mouth (S1, T99N, R6W R06W) to West Line <u>west county line (S30, T100N, R6W R06W)</u>
	Mississippi River	All <u>South county line (S34, T96N, R03W) to north county line (S8, T100N, R03W)</u>
	<u>Paint Creek</u>	<u>Mouth (S9, T99N, R06W) to west county line (S18, T99N, R06W)</u>
	Paint Creek	Mouth <u>(S15, T96N, R03W) to road crossing in (S18, T97N, R4W R04W)</u>
	Upper Iowa River	Mouth, S36 (S19, T100N, R4W R03W) to West Line <u>west county line (S31, T100N, T99N, R6W R06W)</u>
	Village Creek	Mouth, (S33, T99N, R3W R03W), upstream to Confluence <u>confluence with</u>

		Unnamed Creek in Erickson Spring Branch (S23, T98N, R4W R04W)
	Waterloo Creek	Mouth; (S35, T100N, R6W R06W) to North Line S8 north county line (S04, T100N, R6W R06W)
	<u>Winnebago Creek</u>	<u>Mouth (S12, T100N, R04W) to north county line (S1, T100N, R04W)</u>
	Yellow River	Mouth; (S34, T96N, R3W R03W) to Confluence with Upper Branch Yellow River, S4 west county line (S18, T96N, R6W R06W)
Appanoose	Chariton River	Missouri Line South county line (S21, T67N, R16W) to Rathbun Dam west county line (S6, T70N, R19W)
	<u>Packard Creek</u>	<u>Mouth (S8, T67N, R16W) to confluence with Pigeon Creek (S6, T67N,</u> <u>R16W)</u>
	<u>Soap Creek</u>	<u>East county line (S13, T70N, R16W) to north county line (S4, T70N, R16W)</u>
	South Fork Chariton River	Appanoose/Wayne Line to Rathbun Lake Lake Rathbun (S14, T70N, R19W) to west county line (S31, T70N, R19W)
	<u>South Soap Creek</u>	<u>East county line (S25, T70N, R16W) to Lake Sundown (S29, T70N, R16W)</u>
	<u>Walnut Creek</u>	<u>Mouth (S1, T69N, R18W) to confluence with Little Walnut Creek (S1, T69N,</u> <u>R18W)</u>
Audubon	<u>Brushy Creek</u>	<u>East county line (S1, T81N, R34W) to north county line (S1, T81N, R34W)</u>
	<u>East Branch West</u>	<u>West county line (S18, T80N, R36W) to confluence with unnamed tributary</u> <u>(NW 1/4, S19, T81N, R35W)</u>
	<u>Nishnabotna River</u>	<u>South county line (S36, T78N, R36W) to confluence with unnamed tributary</u> <u>(NW 1/4, S12, T81N, R35W)</u>
	<u>East Nishnabotna River</u>	<u>South county line (S35, T78N, R35W) to east county line (S36, T79N,</u> <u>R34W)</u>
	<u>Troublesome Creek</u>	<u>South county line (S35, T78N, R35W) to east county line (S36, T79N,</u> <u>R34W)</u>
Benton	Bear Creek	North County Line county line (S1, T86N, R10W) to Mouth at Cedar River mouth (S21, T86N, R10W)
	<u>Bear Creek</u>	<u>East county line (S13, T84N, R09W) to confluence of Wildcat Creek and</u> <u>Opossum Creek (S8, T84N, R09W)</u>
	<u>Blue Creek</u>	<u>East county line (S24, T86N, R09W) to confluence with West Branch</u> <u>Blue Creek (S24, T86N, R09W)</u>
	Cedar River	All East county line (S13, T85N, R09W) to north county line (S6, T86N, R10W)
	Iowa River	All South county line (S31, T82N, R12W) to west county line (S31, T82N, R12W)
	<u>Opossum Creek</u>	<u>SE ¼ S5, T84N, R9W to East County Line</u>

	Prairie Creek-2	Road Crossing N ½ S24, T83N, R12W to Benton/Linn Line Confluence <u>with unnamed tributary (middle of S 1/2, S13, T83N, R12W) to east</u> <u>county line (S12, T82N, R09W)</u>
	<u>Salt Creek</u>	<u>Mouth (S6, T82N, R12W) to west county line (S6, T82N, R12W)</u>
	<u>Walnut Creek</u>	<u>Mouth (S6, T82N, R12W) to south county line (S6, T82N, R12W)</u>
	Wolf Creek	All <u>North county line (S2, T86N, R12W) to west county line (S19,</u> <u>T86N, R12W)</u>
Black Hawk	Beaver Creek	Mouth; (S34, T90N, R14W) to West County Line <u>west county line (S31, T90N,</u> <u>R14W)</u>
	Black Hawk Creek	Mouth; (S22, T89N, R13W) to West County Line <u>west county line (S6, T87N,</u> <u>R14W)</u>
	Buck Creek	All <u>East county line (S12, T90N, R11W) to north county line (S1, T90N, R11W)</u>
	Cedar River	All <u>East county line (S36, T87N, R11W) to north county line (S2, T90N, R14W)</u>
	Crane Creek	Mouth <u>(S26, T90N, R11W) to North County Line north county line (S3, T90N,</u> <u>R12W)</u>
	Miller's <u>Miller Creek</u>	Mouth <u>(S2, T87N, R12W) to West Line confluence with unnamed tributary</u> <u>(NE 1/4, S5 S24, T87N, R12W R13W)</u>
	Shell Rock River	Mouth; (S4, T90N, R14W) to North County Line <u>north county line (S4,</u> <u>T90N, R14W)</u>
	Spring Creek	Mouth <u>(S34, T87N, R11W) to Confluence confluence with Little East Branch</u> <u>Spring Creek; (S11, T87N, R11W)</u>
	Wapsipinicon River	All <u>East county line (S1, T89N, R11W) to north county line (S4, T90N,</u> <u>R11W)</u>
	West Fork Cedar River	All <u>Mouth (S16, T90N, R14W) to west county line (S7, T90N, R14W)</u>
	Wolf Creek	Mouth; S19 <u>(S29, T87N, R11W) to South County Line south county line</u> <u>(S35, T87N, R12W)</u>
Boone	Beaver Creek	West Line of S40, T82N, Confluence with Middle Beaver Creek (S21, T83N, <u>R28W) to South County Line south county line (S35, T82N, R28W)</u>
	Des Moines River	All <u>South county line (S34, T82N, R26W) to north county line (S3, T85N,</u> <u>R27W)</u>
	Squaw Creek	West line of S8 <u>North line (S9, T85N, R25W) to East County Line east county line</u> <u>(S12, T84N, R25W)</u>
Bremer	Cedar River	All <u>South county line (S35, T91N, R14W) to north county line (S5, T93N,</u> <u>R14W)</u>

	Crane Creek	South County Line county line (S34, T91N, R12W) to North Line north line (S9, T91N, R12W)
	<u>Dry Run</u>	Mouth (S33, T93N, R14W) to confluence with Horton Creek (S33, T93N, R14W)
	East Fork Branch Wapsipinicon River	Mouth (S34, T93N, R12W) to North County Line north county line (S3, T93N, R12W)
	Little Wapsipinicon River	East County Line county line (S13, T92N, R11W) to North Line north line (S2, T92N, R11W)
	Quarter Section Run	Mouth (S19, T91N, R13W) to West Line , confluence with unnamed tributary (SW 1/4, S35, T91N, R13W)
	Shell Rock River	All South county line (S33, T91N, R14W) to west county line (S18, T91N, R14W)
	Wapsipinicon River	All South county line (S33, T91N, R11W) to north county line (S1, T93N, R13W)
	Buchanan Buck Creek	Mouth (S32, T90N, R10W) to West County Line west county line (S7, T90N, R10W)
	Buffalo Creek	Mouth East county line (S13, T87N, R07W) to Confluence confluence of East and West Branches, (S35, T90N, R8W R08W)
	<u>Cedar River</u>	South county line (S31, T87N, R10W) to west county line (S31, T87N, R10W)
	Little Wapsipinicon River	Mouth (S9, T89N, R10W) to North County Line north county line (S5, T90N, R10W)
	Otter Creek	Mouth (S19, T89N, R09W) to Confluence with Unnamed Creek, S9 north county line (S4, T90N, R9W R09W)
	<u>South Fork Maquoketa River</u>	East county line (S24, T90N, R07W) to confluence with Lamont Creek (S23, T90N, R07W)
	Wapsipinicon River	All South county line (S31, T87N, R07W) to west county line (S6, T89N, R10W)
	Buena Vista Little Sioux River	All North county line (S2, T93N, R38W) to north county line (S5, T93N, R36W)
	North Raccoon River	South County Line county line (S36, T90N, R36W) to North Line of north line (S15, T91N, R36W)
	Butler Beaver Creek	All East county line (S36, T90N, R15W) to west county line (S31, T90N, R18W)
	Boylan Creek	Mouth (S1, T91N, R18W) to North Line, S23 confluence with Parmenter

		<u>Creek (S14, T92N, R18W)</u>
	Coldwater Creek	Mouth <u>(S29, T93N, R16W)</u> to West Line <u>west line (S5, T93N, R17W)</u>
	Flood Creek	Mouth <u>(S27, T93N, R16W)</u> to North County Line <u>north county line (S3, T93N, R16W)</u>
	Hartgrave Creek	Mouth <u>(S34, T92N, R18W)</u> to West County Line <u>west county line (S30, T92N, R18W)</u>
	Johnson Creek	West County Line <u>county line (S19, T91N, R18W)</u> to Confluence with Beaver Creek <u>mouth (S20, T90N, R16W)</u>
	Maynes Creek	West County Line <u>county line (S18, T91N, R18W)</u> to Mouth at West Fork of Cedar River <u>mouth (S7, T91N, R17W)</u>
	Shell Rock River	All <u>East county line (S13, T91N, R15W) to north county line (S2, T93N, R17W)</u>
	South Beaver Creek	Mouth <u>(S25, T90N, R17W)</u> to South County Line <u>south county line (S35, T90N, R17W)</u>
	West Fork Cedar River	All <u>East county line (S12, T90N, R15W) to west county line (S7, T92N, R18W)</u>
Calhoun	Lake Creek	Mouth to North Line <u>S25, T87N, R33W</u>
	Cedar Creek	South County Line to Confluence with West Cedar Creek
	Camp Creek	Mouth <u>(S7, T86N, R34W)</u> to West Line <u>west line (S25, T87N, T88N, R34W)</u>
	<u>Cedar Creek</u>	<u>South county line (S34, T86N, R32W) to confluence with West Cedar Creek (S31, T87N, R31W)</u>
	<u>Lake Creek</u>	<u>Mouth (S23, T86N, R34W) to north line (S25, T87N, R33W)</u>
	North Raccoon River	All <u>South county line (S31, T86N, R33W) to west county line (S6, T86N, R34W)</u>
Carroll	<u>Brushy Creek</u>	<u>South county line (S36, T82N, R34W) to confluence with Dedham Creek (S16, T82N, R34W)</u>
	Middle Raccoon River	South County Line <u>county line (S34, T82N, R33W) to West Line of S23</u> <u>confluence with unnamed tributary (NW 1/4, NW 1/4, S6, T84N, R35W)</u>
	North Raccoon River	All <u>East county line (S12, T84N, R33W) to north county line (S6, T85N, R33W)</u>
	<u>West Nishnabotna River</u>	<u>West county line (S31, T82N, R36W) to confluence with unnamed tributary (S34, T83N, R36W)</u>
Cass	East Nishnabotna River	All <u>West county line (S31, T75N, R37W) to north county line (S1, T77N, R36W)</u>

	<u>Indian Creek</u>	<u>Mouth (S17, T75N, R37W) to north county line (S5, T77N, R37W)</u>
	<u>Sevenmile Creek</u>	<u>South county line (S31, T74N, R36W) to confluence with unnamed tributary (center of S32, T76N, R34W)</u>
	<u>Troublesome Creek</u>	<u>Mouth (S32, T77N, R36W) to north county line (S2, T77N, R35W)</u>
	<u>Turkey Creek</u>	<u>Mouth (S2, T75N, R37W) to confluence with Lone Tree Branch (S28, T76N, R36W)</u>
	<u>West Nodaway River</u>	<u>South county line (SW 1/4, S34, T74N, R36W) to confluence with Williams Creek (S35, T74N, R36W)</u>
Cedar	Cedar River	All <u>South county line (S31, T79N, R02W) to west county line (S18, T81N, R04W)</u>
	<u>Mud Creek</u>	<u>South county line (S34, T79N, R01W) to south county line (S35, T79N, R01W)</u>
	Rock Creek	Road Crossing North Line <u>crossing north line (S1, T81N, R3W R03W) to Mouth at Cedar Creek mouth (S3, T79N, R03W)</u>
	Sugar Creek	Road Crossing North Line <u>crossing north line (S29, T81N, R2W R02W) to South County Line south county line (S34, T79N, R02W)</u>
	Wapsipinicon River	All <u>East county line (S12, T82N, R01W) to north county line (S1, T82N, R01W)</u>
	<u>West Branch Wapsinonoc Creek</u>	<u>South county line (S33, T79N, R04W) to confluence with unnamed tributary (NE 1/4, S32, T79N, R04W)</u>
Cerro Gordo	Beaverdam Creek	I-35 (S8, T95N, R21W) to Franklin County Line <u>south county line (S35, T94N, R20W)</u>
	<u>East Branch Beaverdam Creek</u>	Hwy. 65 (S9, T94N, R20W) to Mouth <u>mouth (S21, T94N, R20W)</u>
	Shell Rock River	All <u>East county line (S12, T96N, R19W) to north county line (S5, T97N, R19W)</u>
	Spring Creek	County Road B15 (S9, T97N, R20W) to Mouth at Winnebago River <u>mouth (S28, T97N, R20W)</u>
	<u>West Fork Cedar River</u>	<u>South county line (S35, T94N, R20W) to confluence of Beaverdam Creek and East Branch Beaverdam Creek (S21, T94N, R20W)</u>
	Willow Creek	Hwy. 18 (S12, T96N, R21W) to Mouth at Winnebago River <u>mouth (S3, T96N, R20W)</u>
	Winnebago River	All <u>East county line (S36, T96N, R19W) to west county line (S19, T97N, R22W)</u>
Cherokee	Gray Creek	North Line of line (S22, T93N, R40W) to Mouth at Mill Creek <u>mouth (S10, T92N, R40W)</u>
	Little Sioux River	All <u>South county line (S31, T90N, R41W) to north county line (S3, T93N, R39W)</u>

	<u>Maple Creek</u>	<u>Mouth (S5, T91N, R39W) to confluence with unnamed tributary (S1, T91N, R39W)</u>
	<u>Maple River</u>	<u>North Line of Confluence with Maple Creek (S5, T90N, T91N, R39W) to Ida County Line south county line (S34, T90N, R39W)</u>
	<u>Mill Creek</u>	<u>North Line S13 county line (S3, T93N, R41W) to Mouth at Little Sioux River mouth (S14, T92N, R40W)</u>
	<u>Perry Creek</u>	<u>North Line of line (S5, T91N, R40W) to Mouth at Little Sioux River mouth (S28, T91N, R40W)</u>
	<u>Rock Creek</u>	<u>East Line of line (S4, T91N, R41W) to Mouth at Little Sioux River mouth (S10, T90N, R41W)</u>
	<u>Silver Creek</u>	<u>Mouth (S32, T91N, R40W) to North Line of north line (S34, T90N, R40W)</u>
	<u>West Fork, Little Sioux River</u>	<u>North Line of line (S12, T92N, R42W) to Plymouth County Line west county line (S31, T91N, R42W)</u>
	<u>Willow Creek</u>	<u>North Line line (S30, T91N, R41W) to Mouth at Little Sioux River mouth (S30, T90N, R41W)</u>
<u>Chickasaw</u>	<u>Cedar River</u>	<u>All South county line (S32, T94N, R14W) to west county line (S7, T94N, R14W)</u>
	<u>Crane Creek</u>	<u>All East county line (S25, T95N, R11W) to north county line (S21, T97N, R12W)</u>
	<u>East Fork Branch Wapsipinicon River</u>	<u>South County Line county line (S34, T94N, R12W) to Confluence confluence with Plum Creek S46 (S15, T95N, R12W)</u>
	<u>Little Cedar River</u>	<u>All Mouth (S20, T94N, R14W) to west county line (S6, T95N, R14W)</u>
	<u>Little Turkey River</u>	<u>All East county line (S25, T96N, R11W) to north county line (S19, T97N, R11W)</u>
	<u>Little Wapsipinicon River</u>	<u>Mouth (S3, T94N, R13W) to North County Line north county line (S24, T97N, R14W)</u>
	<u>Wapsipinicon River</u>	<u>All South county line (S36, T94N, R13W) to north county line (S20, T97N, R14W)</u>
<u>Clarke</u>	<u>Squaw Creek</u>	<u>North county line (S1, T73N, R25W) to confluence with Walnut Creek (S3, T73N, R25W)</u>
	<u>White Breast Creek</u>	<u>East county line (S1, T71N, R24W) to confluence with South White Breast Creek (S3, T71N, R24W)</u>
<u>Clay</u>	<u>Big Muddy Creek</u>	<u>Mouth (S15, T96N, R36W) to confluence with Little Muddy Creek (S10, T96N, R36W)</u>

Clayton	Little Sioux River	All <u>West county line (S30, T94N, R38W) to north county line (S5, T97N, R37W)</u>
	Ocheyedan River	All <u>Mouth (S13, T96N, R37W) to west county line (S7, T97N, R38W)</u>
	<u>Stony Creek</u>	<u>Mouth (S7, T96N, R36W) to north county line (S3, T97N, R38W)</u>
	Bloody Run	Mouth; (S15, T95N, R3W R03W) upstream to second road bridge crossing the stream in the western portion of Basil Giard Claim No. 1
	<u>Cox Creek</u>	<u>Mouth (S21, T92N, R05W) to confluence with Kleinlein Creek (S36, T92N, R06W)</u>
	Elk Creek	Mouth <u>(S36, T92N, R04W)</u> to Steeles Branch, S26 <u>south county line (S35, T91N, R4W R04W)</u>
	<u>Howard Creek</u>	<u>Mouth (S25, T94N, R05W) to confluence with Dry Hollow (S19, T94N, R04W)</u>
	<u>Little Turkey River</u>	<u>Mouth (S10, T91N, R02W) to confluence with White Pine Hollow (S31, T91N, R02W)</u>
	Maquoketa River	South County Line <u>county line (S32, T91N, R06W) to North Line north line (S31, T91N, R6W R06W)</u>
	<u>Mink Creek</u>	<u>Mouth (S30, T93N, R06W) to confluence with unnamed tributary (SW 1/4, S19, T93N, R06W)</u>
Clinton	<u>Mississippi River</u>	<u>East county line (S25, T91N, R01W) to north county line (S3, T95N, R03W)</u>
	Robert's <u>Robert Creek</u>	Mouth <u>(S25, T93N, R05W) to Confluence confluence</u> with Silver Creek; S17 (S16, T94N, R5W R05W)
	Sny Magill Creek	Mouth; (S23, T94N, R3W R03W) upstream to Confluence <u>confluence</u> with North Cedar Creek; (S8, T94N, R3W R03W)
	<u>South Cedar Creek</u>	<u>Mouth (S33, T92N, R03W) to confluence with unnamed tributary (SW 1/4, NE 1/4, SE 1/4, S7, T92N, R03W)</u>
	Turkey River	All <u>Mouth (S12, T91N, R02W) to west county line (S18, T94N, R06W)</u>
	Volga River	All <u>Mouth (S36, T92N, R04W) to west county line (S30, T93N, R06W)</u>
	Brophys Creek	South Line of line <u>(S4, T81N, R5E R05E) to Mouth at the Wapsipinicon River mouth (S1, T80N, R04E)</u>
	<u>Deep Creek</u>	<u>North county line (S6, T83N, R05E) to confluence with Bear Creek (S8, T83N, R05E)</u>
	Drainage Ditch 12	West Line of line <u>(S30, T82N, R2E R02E) to Mouth at the Wapsipinicon River mouth (S13, T81N, R01E)</u>
	Elk River	South Line of line <u>(S5, T83N, R6E R06E) to Mouth at the Mississippi River mouth (S20, T83N, R07E)</u>

Crawford	Harts Mill Creek	East Line of line (S8, T81N, R6E R06E) to Mouth at Mill Creek <u>mouth (S15, T81N, R06E)</u>
	Mill Creek	South Line of S14 Confluence with Harts Mill Creek (S15, T81N, R6E R06E) to Mouth with Mississippi River <u>mouth (S23, T81N, R06E)</u>
	Mississippi River	All <u>South county line (S13, T80N, R05E) to north county line (S5, T83N, R07E)</u>
	Silver Creek	South Line of line (S22, T82N, R3E R03E) to mouth <u>(S6, T80N, R4E R04E)</u>
	Wapsipinicon River	All <u>Mouth (S13, T80N, R05E) to west county line (S7, T82N, R01E)</u>
	Boyer River	All <u>South county line (S34, T82N, R41W) to north county line (S6, T85N, R37W)</u>
	East Boyer River	<u>Mouth (S10, T83N, R39W) to confluence with unnamed tributary (NW 1/4, S15, T84N, R37W)</u>
	East Soldier River	<u>West county line (S31, T84N, R41W) to confluence with Emigrant Creek (S23, T84N, R41W)</u>
	Soldier River	All <u>West county line (S30, T85N, R41W) to north county line (S1, T85N, R41W)</u>
	West Fork West Nishnabotna River	<u>South county line (S32, T82N, R38W) to confluence with unnamed tributary (NE 1/4, S14, T82N, R38W)</u>
Dallas	West Nishnabotna River	<u>South county line (S35, T82N, R37W) to east county line (S36, T82N, R37W)</u>
	Beaver Creek	All <u>East county line (S13, T80N, R26W) to north county line (S2, T81N, R28W)</u>
	Des Moines River	All <u>East county line (S25, T81N, R26W) to north county line (S3, T81N, R26W)</u>
	Middle Raccoon River	All <u>Mouth (S9, T78N, R29W) to west county line (S31, T79N, R29W)</u>
	Mosquito Creek	<u>Mouth (S34, T79N, R29W) to west county line (NW 1/4, NW 1/4, S6, T80N, R29W)</u>
Davis	North Raccoon River	<u>Mouth (S21, T78N, R27W) to north county line (S5, T81N, R29W)</u>
	Raccoon River	All <u>East county line (S25, T78N, R26W) to confluence of North and South Raccoon Rivers (S21, T78N, R27W)</u>
	South Raccoon River	All <u>Mouth (S21, T78N, R27W) to west county line (S7, T78N, R29W)</u>
	Chequest Creek	<u>East county line (S12, T69N, R12W) to confluence with South Chequest Creek (S12, T69N, R12W)</u>
	Des Moines River	All <u>East county line (S12, T70N, R12W) to north county line (S2, T70N, R12W)</u>

Decatur	<u>Fox River</u>	<u>East county line (S1, T68N, R12W) to confluence with South Fox Creek (S28, T69N, R15W)</u>
	<u>Soap Creek</u>	<u>Mouth (S2, T70N, R12W) to west county line (S18, T70N, R15W)</u>
	<u>South Chequest Creek</u>	<u>Mouth (S12, T69N, R12W) to confluence with Burr Oak Creek (S15, T69N, R12W)</u>
	<u>South Soap Creek</u>	<u>Mouth (S21, T70N, R15W) to west county line (S30, T70N, R15W)</u>
	<u>Elk Creek</u>	<u>Mouth (S18, T68N, R26W) to confluence with West Elk Creek (S34, T69N, R27W)</u>
	<u>Little River</u>	<u>South county line (S25, T67N, R25W) to confluence with West Little River (S31, T69N, R25W)</u>
	<u>Long Creek</u>	DeKalb Wildlife Area to Mouth at the Thompson River <u>Mouth (S8, T69N, R26W) to confluence with Bee Creek (S9, T70N, R26W)</u>
	<u>Steel Creek</u>	<u>Mouth (S10, T67N, R24W) to confluence with Hog Creek (S26, T68N, R24W)</u>
	<u>Thompson River</u>	All <u>South county line (S25, T67N, R26W) to west county line (S6, T70N, R27W)</u>
	<u>Weldon River</u>	Missouri Border <u>South county line (S27, T67N, R24W) to Hwy. 2 (S20, T69N, R24W)</u>
Delaware	<u>West Elk Creek</u>	<u>Mouth (S34, T69N, R27W) to confluence with unnamed tributary (NE 1/4, S32, T69N, R27W)</u>
	<u>Buck Creek</u>	<u>Mouth (S11, T87N, R04W) to confluence with Lime Creek (S17, T87N, R04W)</u>
	<u>Buffalo Creek</u>	All <u>South county line (S33, T87N, R06W) to west county line (S18, T87N, R06W)</u>
	Coffin's <u>Coffins Creek</u>	<u>Mouth (S19, T89N, R05W) to Road Crossing, Center of road crossing center (S26, T89N, R6W R06W)</u>
	<u>Elk Creek</u>	<u>North county line (S2, T90N, R04W) to confluence with Schechtman Branch (S14, T90N, R04W)</u>
	<u>Honey Creek</u>	<u>Mouth (S19, T89N, R05W) to confluence with Lindsey Creek (S3, T89N, R05W)</u>
	<u>Maquoketa River</u>	All <u>South county line (S31, T87N, R03W) to north county line (S5, T90N, R06W)</u>
	<u>North Fork Maquoketa River</u>	All <u>East county line (S24, T87N, R03W) to east county line (S12, T88N, R03W)</u>
	<u>Plum Creek</u>	<u>Mouth (S11, T87N, R04W) to Confluence confluence with Penn's Br., S18,</u>

		T88N, R3W unnamed tributary (SE 1/4, S24, T89N, R04W)
	<u>Sand Creek</u>	<u>Mouth (S9, T88N, R05W) to confluence with Todds Creek (S8, T88N, R05W)</u>
	<u>South Fork Maquoketa River</u>	<u>Mouth (S16, T90N, R06W) to West County Line west county line (S19, T90N, R06W)</u>
Des Moines	<u>Brush Creek</u>	<u>South Line of line (S5, T69N, R3W R03W) to Mouth at the Skunk River mouth (S2, T68N, R03W)</u>
	<u>Cedar Fork Creek</u>	<u>West Line of line (S31, T72N, R3W R03W) to Mouth at the Flint River mouth (S25, T71N, R04W)</u>
	<u>Cottonwood Drain</u>	<u>Mouth (S1, T70N, R02W) to confluence with unnamed tributary (middle S7, T71N, R01W)</u>
	<u>Dolbee Creek</u>	<u>East Line of S24, T72N, R2W to S31, T71N, R1W</u>
	<u>Flint River <u>Creek</u></u>	<u>County Line West county line (S18, T71N, R04W) to Mouth at the Mississippi River mouth (S28, T70N, R02W)</u>
	<u>Knotty Creek</u>	<u>East Line of S25, T71N, R03W to the Mouth at the Flint River</u>
	<u>Hawkeye Creek</u>	<u>North Line of East line (S30, T72N, R3W R02W) to Mouth at the Mississippi River mouth (S19, T72N, R01W)</u>
	<u>Hawkeye-Dolbee Channel</u>	<u>Confluence with Hawkeye Creek (S19, T72N, R01W) to mouth (S22, T72N, R01W)</u>
	<u>Honey Creek</u>	<u>North county line (NE 1/4, S5, T72N, R03W) to north county line (NW 1/4, S5, T72N, R03W)</u>
	<u>Knotty Creek</u>	<u>East line (S25, T71N, R03W) to mouth (S24, T70N, R03W)</u>
	<u>Long Creek</u>	<u>South Line of line (S3, T69N, R4W R04W) to the Mouth at the Skunk River mouth (S30, T69N, R03W)</u>
	<u>Mississippi River</u>	<u>All South county line (S8, T68N, R02W) to north county line (S3, T72N, R01W)</u>
	<u>Running Slough Drain</u>	<u>East line (S24, T72N, R02W) to mouth (S31, T71N, R01W)</u>
	<u>Skunk River</u>	<u>All East county line (S8, T68N, R02W) to west county line (S2, T69N, R05W)</u>
	<u>Smith Creek</u>	<u>North county line (S6, T72N, R02W) to north county line (NW 1/4, NE 1/4, S1, T72N, R03W)</u>
	<u>Spring Creek</u>	<u>South Line of line (S15, T69N, R3W R03W) to Mouth at the Mississippi River mouth (S32, T69N, R02W)</u>
	<u>Tributary to Flint River</u>	<u>South Line of line (S27, T71N, R3W R03W) to Mouth at the Flint River mouth (S4, T70N, R03W)</u>
	<u>Unnamed Creek</u>	
Dickinson	<u>Little Sioux River</u>	<u>All South county line (S32, T98N, R37W) to north county line (S10, T100N,</u>

		<u>R37W)</u>
	Milford Creek	<u>Middle (S12, T98N, R37W) to Mouth at Little Sioux River mouth (S14, T98N, R37W)</u>
	<u>Stony Creek</u>	<u>South county line (S34, T98N, R38W) to confluence with Drainage Ditch 41 (S27, T98N, R38W)</u>
	West Branch Little Sioux River	<u>South Line of line (S27, T100N, R38W) to Mouth at West Fork of Little Sioux River mouth (S36, T100N, R38W)</u>
	West Fork Little Sioux River	<u>South Line of line (S24, T100N, R38W) to Mouth at Little Sioux River mouth (S7, T99N, R37W)</u>
Dubuque	Catfish Creek	<u>Mouth (S5, T88N, R03E) to North Line north line (S16, T88N, R2E R02E)</u>
	<u>Hewitt Creek</u>	<u>Mouth (S30, T89N, R02W) to confluence with Hickory Creek (S21, T89N, R02W)</u>
	Little Maquoketa River	<u>Mouth (S26, T90N, R02E) to Confluence confluence with North Fork Little Maquoketa River, (S31, T90N, R1E R02E)</u>
	Lytle Creek	<u>South County Line county line (S31, T87N, R02E) to Confluence confluence with Buncombe Prairie Creek, S19 (S24, T87N, R2E R1E)</u>
	Mississippi River	<u>All South county line (S34, T88N, R04E) to west county line (S30, T91N, R01E)</u>
	North Fork Little Maquoketa River	<u>Mouth (S31, T90N, R02E) to Confluence confluence with Middle Fork Little Maquoketa River, (S35, T90N, R1E R01E)</u>
	North Fork, Maquoketa River	<u>South County Line county line (S32, T87N, R01W) to Confluence confluence with Hewitt Creek, See: (S29, T89N, R2W R02W)</u>
	<u>Tetes Des Morts Creek</u>	<u>Mouth (S34, T88N, R04E) to south county line (S34, T88N, R04E)</u>
	Whitewater Creek	<u>South County Line county line (S35, T87N, R01W) to Confluence confluence with John's Curran Creek, S25 (S12, T87N, R1W R01W)</u>
Emmet	East Fork, Des Moines River	<u>Tuttle Lake Outlet South county line (S33, T98N, R33W) to East County Line north county line (S7, T100N, R34W)</u>
	West Fork, East Branch Des Moines River	<u>All Tuttle Lake (S11, T100N, R32W) to east county line (S36, T99N, R31W)</u>
Fayette	<u>Crane Creek</u>	<u>Mouth (S31, T95N, R09W) to west county line (S30, T95N, R10W)</u>
	Little Turkey River	<u>Mouth, (S18, T95N, R8W R08W) to North Line north county line (S5, T95N, R10W)</u>
	<u>Little Volga River</u>	<u>Mouth (S2, T92N, R09W) to confluence with unnamed tributary (S2, T92N, R09W)</u>
	Little Wapsipinicon River	<u>All South county line (S32, T91N, R10W) to west county line (S18, T92N,</u>

		<u>R10W)</u>
	<u>Otter Creek</u>	<u>South county line (S33, T91N, R09W) to confluence with unnamed tributary (S18, T91N, R09W)</u>
	Turkey River	All <u>East county line (S13, T94N, R07W) to north county line (S3, T95N, R09W)</u>
	Volga River	East County Line <u>county line (S25, T93N, R07W) to Confluence</u> confluence with <u>Little Volga River; (S2, T92N, R09W)</u>
Floyd	Cedar River	All <u>East county line (S12, T94N, R15W) to north county line (S24, T97N, R17W)</u>
	Flood Creek	South County Line <u>county line (S34, T94N, R16W) to Road Crossing road crossing (S32, T96N, R17W)</u>
	Little Cedar River	All <u>East county line (S1, T95N, R15W) to north county line (S24, T97N, R16W)</u>
	Rock Creek	Mouth; (S24, T97N, R17W) to North County Line <u>north county line (S22, T97N, R17W)</u>
	Shell Rock River	All <u>Mouth (S35, T94N, R17W) to west county line (S7, T96N, R18W)</u>
	Winnebago River	All <u>Mouth (S14, T95N, R18W) to west county line (NW 1/4, S31, T96N, R18W)</u>
Franklin	Bailey Creek	South Line of <u>East line (S13, T93N, R20W) to Mouth at the West Fork, Cedar River mouth (S19, T93N, R19W)</u>
	Beaverdam Creek	North County Line <u>county line (S2, T93N, R20W) to Mouth at the West Fork, Cedar River mouth (S19, T93N, R19W)</u>
	Hartgraves <u>Hartgrave</u> Creek	South Line of S28 <u>Confluence of Otter Creek and Spring Creek (S29, T92N, R19W) to East County Line east county line (S25, T92N, R19W)</u>
	Iowa River	All <u>South county line (S36, T90N, R22W) to west county line (S19, T91N, R22W)</u>
	Maynes Creek	East Line of line (S30, T91N, R20W) to East County Line <u>east county line (S13, T91N, R19W)</u>
	Otter Creek	East Line of line (S31, T93N, R20W) to Mouth at Hartgraves Creek <u>mouth (S29, T92N, R19W)</u>
	Spring Creek	Beeds Lake Outlet (S20, T92N, R20W) to Mouth at Otter Creek <u>mouth (S29, T92N, R19W)</u>
	West Fork, Cedar River	East Line of <u>Confluence of Bailey Creek and Beaverdam Creek (S19, T93N, R19W) to East County Line east county line (S12, T92N, R19W)</u>
Fremont	East Nishnabotna River	Mouth at Nishnabotna River (S2, T67N, R42W) to East County Line <u>east county</u>

		<u>line (S13, T69N, R40W)</u>
	Missouri River	All <u>South county line (S34, T67N, R43W) to north county line (S5, T70N, R43W)</u>
	Nishnabotna River	Missouri/Iowa Line to South Line of S25, T68N, R41W <u>South county line (S35, T67N, R42W) to confluence of East and West Nishnabotna Rivers (S2, T67N, R42W)</u>
	West Nishnabotna River	Mouth at Nishnabotna River <u>(S2, T67N, R42W) to North County Line north county line (S5, T70N, R41W)</u>
Greene	Buttrick Creek	Mouth <u>(S26, T83N, R30W) to North County Line confluence of East and West Branch (S25, T84N, R30W)</u>
	Cedar Creek	Mouth at North Raccoon River <u>(S33, T85N, R32W) to North County Line north county line (S3, T85N, R32W)</u>
	North Raccoon River	All <u>South county line (S32, T82N, R29W) to west county line (S18, T84N, R32W)</u>
	<u>Willow Creek</u>	<u>South county line (S31, T82N, R32W) to confluence with Drainage Ditch 117 (S21, T82N, R32W)</u>
Grundy	Black Hawk Creek	East Line of line (S35, T88N, R17W) to Black Hawk Line <u>east county line (S1, T87N, R15W)</u>
	<u>Middle Fork South Beaver Creek</u>	<u>Mouth (S28, T89N, R17W) to confluence with North Fork South Beaver Creek (S28, T89N, R17W)</u>
	North Black Hawk Creek	NE 1/4, S8, T88N, R15W to Mouth <u>mouth (S1, T87N, R15W)</u>
	South Beaver Creek	E 1/2 of, S3, T88N, R18W to <u>Butler County Line north county line (S2, T89N, R17W)</u>
	Wolf Creek	N 1/2 of, S31, T86N, R17W to Tama County Line <u>east county line (S36, T86N, R17W)</u>
Guthrie	<u>Beaver Creek</u>	<u>Mouth (S5, T78N, R30W) to confluence with Spring Branch (S3, T78N, R31W)</u>
	Brushy Creek	Mouth <u>(S22, T79N, R31W) to North Line of west county line (S35, T81N, R33W) (County Road F24)</u>
	Middle Raccoon River	All <u>East county line (S36, T79N, R30W) to north county line (S3, T81N, R33W)</u>
	Middle River	South County Line <u>county line (S36, T78N, R32W) to County Road N54 (S36, T79N, R33W)</u>
	Mosquito Creek	S36, T81N, R32W <u>East county line (SE 1/4, S1, T80N, R30W) to Hwy. 4, (S17, T81N, R30W)</u>
	South Raccoon River	East County Line <u>county line (S12, T78N, R30W) to County Road F32</u>

		<u>confluence with Frost Creek (S18, T80N, R32W)</u>
	<u>Troublesome Creek</u>	<u>West county line (S31, T79N, R33W) to confluence with North Branch Troublesome Creek (S20, T79N, R33W)</u>
	Willow Creek	Mouth (S27, T81N, R32W) to North County Line <u>north county line (S6, T81N, R32W)</u>
Hamilton	Boone River	All <u>West county line (S30, T87N, R26W) to north county line (S3, T89N, R26W)</u>
	Brewers Creek	Mouth at Boone River <u>(S6, T88N, R25W) to County Road R27 (S12, T88N, R26W)</u>
	Eagle Creek	Mouth at Boone River <u>(S6, T89N, R25W) to Wright County Line north county line (S6, T89N, R25W)</u>
	<u>South Skunk River</u>	South County Line <u>county line (S31, T86N, R23W) to County Road D41 (S36, T88N, R24W)</u>
	White Fox Creek	Mouth at Boone River <u>(S33, T89N, R25W) to Wright County Line north county line (S3, T89N, R25W)</u>
Hancock	East Fork, <u>Branch</u> Iowa River	South County Line <u>county line (S32, T94N, R23W) to Hwy 18 (S25, T96N, R24W)</u>
	West Fork, <u>Branch</u> Iowa River	South County Line <u>county line (S35, T94N, R24W) to County Road B55 (S31, T95N, R24W)</u>
	Winnebago River	All <u>East county line (S24, T97N, R23W) to north county line (S1, T97N, R24W)</u>
Hardin	Elk Creek	Mouth at Iowa River <u>(S28, T88N, R19W) to County Road D35 (S27, T88N, R19W)</u>
	Honey Creek	South County Line <u>county line (S31, T86N, R19W) to County Road D65 (S24, T86N, R20W)</u>
	Iowa River	All <u>South county line (SW 1/4, S35, T86N, R19W) to north county line (NW 1/4, NW 1/4, S1, T89N, R22W)</u>
	South Fork, Iowa River	Mouth at Iowa River <u>(S4, T86N, R19W) to Hwy. 359 (S11, T88N, R22W)</u>
Harrison	Boyer River	All <u>South county line (S33, T78N, R44W) to north county line (S3, T81N, R41W)</u>
	Little Sioux River	All <u>Mouth (S27, T81N, R45W) to north county line (S5, T81N, R44W)</u>
	Missouri River	All <u>South county line (S32, T78N, R45W) to north county line (S1, T81N, R46W)</u>
	<u>Monona Harrison Ditch</u>	<u>Mouth (S22, T81N, R45W) to north county line (S1, T81N, R45W)</u>
	Soldier River	All <u>Mouth (S16, T80N, R45W) to north county line (S1, T81N, R44W)</u>
Henry	Big Creek	North Line of <u>South county line (S31, T72N, R5W, R05W) to mouth (S19, T70N, R5W, R05W)</u>

	Brush Creek	<u>West county line (S31, T72N, R07W) to mouth (S30, T72N, R07W)</u>
	Cedar Creek	County Line <u>West county line (S6, T70N, R07W) to Mouth at the Skunk River mouth (S6, T71N, R07W)</u>
	Crooked Creek	All <u>West county line (S6, T73N, R07W) to north county line (S6, T73N, R07W)</u>
	East Fork; Crooked Creek	All <u>North county line (S1, T73N, R06W) to east county line (S36, T73N, R05W)</u>
	Little Cedar Creek	South County Line <u>county line (S33, T70N, R07W) to Mouth at Cedar Creek mouth (S17, T70N, R07W)</u>
	Mud Creek	South Line of line (S15, T70N, R5W, R05W) to Mouth at the Skunk River mouth (S34, T70N, R05W)
	Skunk River	All <u>South county line (S35, T70N, R05W) to west county line (S19, T73N, R07W)</u>
Howard	Crane Creek	South County Line <u>county line (S16, T97N, R12W) to Hwy. 9 (S29, T99N, R13W)</u>
	Little Wapsipinicon River	South County Line <u>county line (S13, T97N, R14W) to North Line north west line (S23, T98N, R14W)</u>
	North Branch Turkey River	<u>Mouth (S31, T99N, R11W) to Highway Hwy. 9 (S25, T99N, R12W)</u>
	Turkey River	East County Line <u>county line (S12, T98N, R11W) to West Line of west line (S1, T98N, R12W)</u>
	Upper Iowa River	All <u>East county line (S12, T100N, R11W) to north county line (NW 1/4, NE 1/4, S11, T100N, R14W)</u>
	Wapsipinicon River	All <u>South county line (S17, T97N, R14W) to west county line (S18, T98N, R14W)</u>
Humboldt	Des Moines River	South County Line <u>county line (S31, T91N, R28W) to Confluence of East and West Fork of Des Moines River west county line (S6, T92N, R30W)</u>
	East Fork, Des Moines River	Mouth at the Des Moines River to North County Line
	West Fork, East Branch Des Moines River	Mouth at the Des Moines River (S19, T91N, R28W) to West County Line north county line (S1, T93N, R29W)
	Prairie Creek	<u>West county line (S25, T93N, R27W) to north county line (S4, T93N, R27W)</u>
Ida	Little Sioux River	All <u>West county line (S7, T89N, R41W) to north county line (S6, T89N, R41W)</u>
	Maple River	All <u>West county line (S7, T86N, R41W) to north county line (S3, T89N,</u>

		<u>R39W)</u>
	<u>Odebolt Creek</u>	<u>Mouth (S15, T87N, R40W) to confluence with unnamed tributary (S24, T87N, R39W)</u>
	<u>Soldier River</u>	<u>South county line (S36, T86N, R41W) to confluence with unnamed tributary (NW 1/4, SE 1/4, S20, T86N, R40W)</u>
Iowa	<u>Big Bear Creek</u>	<u>West County Line county line (S18, T80N, R12W) to Mouth at the Iowa River mouth (S24, T81N, R11W)</u>
	<u>North Fork, English River</u>	<u>All South county line (S31, T78N, R09W) to west county line (S19, T79N, R12W)</u>
	<u>Honey Creek</u>	<u>Mouth (S12, T81N, R12W) to confluence with unnamed tributary (NE 1/4, SW 1/4, S28, T81N, R12W)</u>
	<u>Iowa River</u>	<u>All East county line (S36, T81N, R09W) to north county line (S6, T81N, R12W)</u>
	<u>Old Man Mans Creek</u>	<u>West Line of line (S35, T79N, R10W) to East County Line east county line (S36, T79N, R09W)</u>
	<u>Price Creek</u>	<u>Mouth (S36, T81N, R09W) to confluence with Mill Race (S26, T81N, R09W)</u>
	<u>Walnut Creek</u>	<u>North county line (S6, T81N, R12W) to west county line (S6, T81N, R12W)</u>
Jackson	<u>Bear Creek</u>	<u>Mouth (S13, T84N, R01E) to West County Line west county line (S30, T84N, R01E)</u>
	<u>Big Mill Creek</u>	<u>Confluence with Little Mill Creek, S13, T86N, R4E upstream to West Line S9, T86N, R4E</u>
	<u>Brush Creek</u>	<u>North Line, line (S23, T85N, R3E R03E) upstream to Hwy. 62 bridge in (S11, T85N, R3E R03E)</u>
	<u>Deep Creek</u>	<u>Mouth (S18, T84N, R05E) to South County Line south county line (S31, T84N, R05E)</u>
	<u>Little Mill Creek</u>	<u>Mouth, (S13, T86N, R4E R04E) upstream to West Line west line (S23, T86N, R4E R04E)</u>
	<u>Lytle Creek</u>	<u>Mouth (S8, T85N, R02E) to North County Line north county line (S6, T86N, R02E)</u>
	<u>Maquoketa River</u>	<u>All Mouth (S7, T85N, R06E) to west county line (S18, T85N, R01E)</u>
	<u>Mill Creek</u>	<u>Mouth (S19, T86N, R05E) to west line (S9, T86N, R04E)</u>
	<u>Mississippi River</u>	<u>All South county line (S32, T84N, R07E) to north county line (S3, T87N, R04E)</u>
	<u>North Fork, Maquoketa</u>	<u>West County Line county line (S31, T86N, R01E) to Mouth at the Maquoketa</u>

	River	<u>River mouth (S13, T84N, R02E)</u>
	Prairie Creek	Mouth <u>(S17, T84N, R03E) to Hwy. 64; (S20, T84N, R3E R03E)</u>
	<u>Tetes Des Morts Creek</u>	<u>North county line (S3, T87N, R04E) to confluence with unnamed tributary (S23, T87N, R03E)</u>
Jasper	<u>Clear Creek</u>	<u>Mouth (S2, T80N, R21W) to confluence with Mud Creek (S24, T81N, R21W)</u>
	Indian Creek	All <u>Mouth (S32, T80N, R20W) to west county line (S18, T81N, R21W)</u>
	North Skunk River	All <u>East county line (S13, T78N, R17W) to north county line (S6, T81N, R19W)</u>
	South Skunk River	All <u>South county line (S32, T78N, R18W) to west county line (S30, T80N, R21W)</u>
	<u>Squaw Creek</u>	<u>Mouth (S2, T79N, R21W) to confluence with unnamed tributary (S10, T79N, R21W)</u>
Jefferson	Brush Creek	South Line of line (S18, T72N, R8W R08W) to the East County Line <u>east county line (S36, T72N, R08W)</u>
	Cedar Creek	All <u>South county line (S35, T71N, R08W) to west county line (S18, T72N, R11W)</u>
	Competine Creek	West County Line <u>county line (S31, T73N, R11W) to Mouth at Cedar Creek mouth (S28, T72N, R11W)</u>
	Crooked Creek	All <u>Mouth (S1, T73N, R08W) to east county line (S1, T73N, R08W)</u>
	<u>Lick Creek</u>	<u>South county line (S32, T71N, R10W) to confluence with East Branch Lick Creek (S30, T71N, R10W)</u>
	<u>Middle Walnut Creek</u>	<u>Mouth (S26, T73N, R09W) to east line (S22, T73N, R09W)</u>
	Skunk River	All <u>East county line (S13, T72N, R08W) to north county line (S1, T73N, R08W)</u>
	Walnut Creek	East Line of S22 <u>Confluence of South and Middle Walnut Creeks (S26, T73N, R9W R09W) to the Mouth at the Skunk River mouth (S2, T72N, R08W)</u>
Johnson	<u>Buck Creek</u>	<u>Mouth (S2, T77N, R06W) to confluence with Pechman Creek (S2, T77N, R06W)</u>
	Cedar River	All <u>East county line (S13, T81N, R05W) to north county line (S3, T81N, R05W)</u>
	Clear Creek	West County Line <u>county line (S30, T80N, R08W) to Mouth at the Iowa River mouth (S8, T79N, R06W)</u>
	Iowa River	All <u>South county line (S32, T77N, R05W) to west county line (S31, T81N, R08W)</u>

	Old Mans Creek	West County Line county line (S31, T79N, R08W) to Mouth at the Iowa River mouth (S27, T78N, R06W)
	<u>Rapid Creek</u>	<u>Mouth (S34, T80N, R06W) to confluence with unnamed tributary (S21, T80N, R05W)</u>
Jones	<u>Bear Creek</u>	<u>East county line (S25, T84N, R01W) to confluence with Little Bear Creek (S30, T84N, R01W)</u>
	Buffalo Creek	West County Line county line (S19, T85N, R04W) to Mouth at the Wapsipinicon River mouth (S10, T84N, R04W)
	Maquoketa River	All <u>East county line (SE1/4, S24, T85N, R01W) to north county line (S6, T86N, R03W)</u>
	North Fork, Maquoketa River	All <u>East county line (SE1/4, S36, T86N, R01W) to north county line (S6, T86N, R01W)</u>
	<u>Silver Creek</u>	<u>Mouth (S8, T86N, R03W) to confluence with Grove Creek (S11, T86N, R04W)</u>
	<u>Walnut Creek</u>	<u>Mouth (S18, T83N, R02W) to confluence of North and South Fork Walnut (S13, T83N, R04W)</u>
	Wapsipinicon River	All <u>South county line (S36, T83N, R01W) to west county line (S6, T84N, R04W)</u>
	Whitewater Creek	Mouth (<u>S10, T86N, R01W</u>) to North County Line <u>north county line (S2, T86N, R01W)</u>
Keokuk	Bridge Creek	South Line of line (S23, T76N, R12W) to the Mouth at the North Skunk River <u>mouth (S18, T75N, R11W)</u>
	Cedar Creek	East Line of line (S19, T76N, R13W) to the Mouth at the North Skunk River <u>mouth (S15, T75N, R12W)</u>
	North Skunk River	West County Line county line (S6, T75N, R13W) to Mouth at the Skunk River <u>mouth (S5, T74N, R10W)</u>
	Rock Creek	South Line of line (S21, T76N, R12W) to Mouth at Cedar Creek <u>mouth (S9, T75N, R12W)</u>
	<u>Skunk River</u>	<u>East county line (S12, T74N, R10W) to confluence of North and South Skunk Rivers (S5, T74N, R10W)</u>
	South Fork, English River	All <u>East county line (S12, T77N, R10W) to west county line (S6, T77N, R13W)</u>
	South Skunk River	West County Line county line (S30, T75N, R13W) to Mouth at the Skunk River <u>mouth (S5, T74N, R10W)</u>

	Skunk River	All
Kossuth	Buffalo Creek	West Line of line (S4, T97N, R27W) to Mouth at the East Fork, Des Moines River mouth (S21, T97N, R28W)
	East Fork, Branch Des Moines River	All South county line (S36, T94N, R29W) to west county line (S31, T99N, R30W)
	<u>Prairie Creek</u>	<u>South county line (S33, T94N, R27W) to confluence with Drainage Ditch 177 (S5, T94N, R27W)</u>
Lee	Big Sugar Creek	South Line of S26, T69N, R6W to Mouth at the Mississippi River
	Des Moines River	All Mouth (S34, T65N, R05W) to west county line (S19, T67N, R07W)
	Little Sugar Creek	South Line of S24, T68N, R7W to Mouth at the Des Moines River
	Lost Creek	South Line of line (S32, T69N, R4W <u>R04W</u>) to Mouth at the Mississippi River mouth (S36, T68N, R04W)
	Mississippi River	All South county line (S34, T65N, R05W) to north county line (S8, T68N, <u>R02W</u>)
	Pitman Creek	South Line of line (S10, T68N, R5W <u>R05W</u>) to Mouth at the Mississippi River mouth (S29, T68N, R05W)
	Skunk River	All Mouth (S8, T68N, R02W) to north county line (S2, T69N, R05W)
	<u>Sugar Creek</u>	<u>South line (S24, T68N, R07W) to mouth (S25, T65N, R06W)</u>
	<u>Sugar Creek</u>	<u>South line (S26, T69N, R06W) to mouth (S26, T67N, R05W)</u>
Linn	<u>Bear Creek</u>	<u>West county line (S18, T84N, R08W) to mouth (S21, T84N, R08W)</u>
	<u>Big Creek</u>	<u>Mouth (S9, T82N, R06W) to confluence with Abbe Creek (S34, T83N, R06W)</u>
	<u>Blue Creek</u>	<u>Mouth (S18, T85N, R08W) to west county line (S19, T86N, R08W)</u>
	Buffalo Creek	All East county line (S24, T85N, R05W) to north county line (S4, T86N, <u>R06W</u>)
	Cedar River	All South county line (S34, T82N, R05W) to west county line (S18, T85N, <u>R08W</u>)
	<u>Indian Creek</u>	<u>Mouth (S30, T83N, R06W) to confluence with Dry Creek (S1, T83N, R07W)</u>
	Prairie Creek	West County Line county line (S7, T82N, R08W) to Mouth at Cedar River mouth (S34, T83N, R07W)
	Wapsipinicon River	All East county line (S1, T84N, R05W) to north county line (S6, T86N, <u>R07W</u>)
Louisa	Big Slough Creek	East Line of line (S7, T74N, R5W <u>R05W</u>) to Mouth at Buffington Creek mouth (S14, T74N, R05W)

	Buffington Creek	Mouth (<u>S13, T74N, R05W</u>) to West Line of west line (<u>S18, T74N, R5W R05W</u>)
	Cedar River	All Mouth (<u>S20, T75N, R04W</u>) to north county line (<u>S5, T75N, R04W</u>)
	East Fork Crooked Creek	All <u>West county line (S31, T73N, R04W) to south county line (S32, T73N, R04W)</u>
	Goose Creek	West County Line <u>county line (S19, T76N, R05W) to Mouth at the Iowa River mouth (S27, T76N, R05W)</u>
	Honey Creek	Mouth (<u>S1, T75N, R05W</u>) to East Line of east county line (<u>S25, T76N, R5W R05W</u>)
	Honey Creek	Mouth (<u>S14, T73N, R03W</u>) to South Line of south county line (<u>S32, T73N, R3W R03W</u>) (Morning Sun Twp.)
	Indian Creek	Mouth (<u>S7, T74N, R03W</u>) to North Line of south line (<u>S1, T75N, R4W R04W</u>)
	Iowa River	All Mouth (<u>S31, T74N, R01W</u>) to north county line (<u>NW 1/4, S6, T76N, R05W</u>)
	Johnny Creek	Mouth (<u>S12, T74N, R05W</u>) to East Line of east line (<u>S6, T74N, R4W R04W</u>)
	Long Creek	South Line of West line (<u>S30, T75N, R5W R05W</u>) to the Mouth at the Iowa River mouth (<u>S1, T74N, R04W</u>)
	Mississippi River	All <u>South county line (S34, T73N, R01W) to north county line (S3, T75N, R02W)</u>
	Muscatine Slough	North County Line <u>county line (S1, T75N, R03W) to county road bridge in (S31, T75N, R3W R02W)</u>
	Muskrat Lake	(S16, T74N, R3W) to Mouth at the Iowa River (<u>S16, T74N, R03W</u>) to <u>SE 1/4, T74N, R03W</u>
	Otter Creek	Mouth (<u>S19, T73N, R02W</u>) to South Line of middle (<u>S16, T73N, R4W R04W</u>)
	Roff Creek	Mouth (<u>S1, T73N, R04W</u>) to South Line of south county line (<u>S36, T73N, R4W R04W</u>)
	Short Creek	Mouth (<u>S19, T75N, R04W</u>) to West Line of west county line (<u>S6, T75N, R5W R05W</u>)
	Smith Creek	Mouth (<u>S28, T73N, R02W</u>) to West and South Lines of south county line (<u>S35, T73N, R3W R03W</u>)
Lucas	Chariton River	Rathbun Lake (<u>S36, T71N, R20W</u>) to Hwy. 14 (<u>S32, T72N, R21W</u>)
	<u>Otter Creek</u>	<u>North county line (S5, T73N, R23W) to confluence with South Otter Creek (S8, T73N, R23W)</u>
	<u>White Breast Creek</u>	<u>North county line (S2, T73N, R22W) to west county line (S6, T71N, R23W)</u>
Lyon	Big Sioux River	All <u>South county line (S31, T98N, R48W) to north county line (S11, T100N,</u>

		<u>R49W)</u>
	<u>Kanaranzi Creek</u>	<u>Mouth (S28, T100N, R45W) to north county line (S11, T100N, R45W)</u>
	<u>Little Rock River</u>	<u>East County Line county line (S25, T100N, R43W) to Mouth at Rock River</u> <u>mouth (S35, T98N, R46W)</u>
	<u>Mud Creek</u>	<u>Mouth (S26, T98N, R46W) to confluence with first unnamed tributary</u> <u>(SW 1/4, S29, T99N, R46W)</u>
	<u>Otter Creek</u>	<u>Mouth (S21, T98N, R44W) to west county line (S36, T98N, R43W)</u>
	<u>Rock River</u>	<u>All South county line (S35, T98N, R46W) to north county line (S8, T100N,</u> <u>R45W)</u>
	<u>Tom Creek</u>	<u>Mouth (S4, T99N, R45W) to confluence with unnamed tributary (S22, T100N,</u> <u>R44W)</u>
Madison	<u>Badger Creek</u>	<u>East county line (S24, T77N, R26W) to confluence with Cherry Creek (S13,</u> <u>T77N, R26W)</u>
	<u>Bush Branch</u>	<u>Mouth (S8, T75N, R29W) to west county line (S18, T75N, R29W)</u>
	<u>Clanton Creek</u>	<u>South Line of S32 East county line (S12, T75N, R26W) to the East County Line</u> <u>Confluence of North and South Fork Clanton Creek (S15, T74N, R27W)</u>
	<u>Middle River</u>	<u>All West county line (NW 1/4, S31, T76N, R29W) to east county line (S25,</u> <u>T76N, R26W)</u>
	<u>North Branch North River</u>	<u>Mouth (<u>S35, T77N, R27W</u>) to West County Line west county line (S7, T77N,</u> <u>R29W)</u>
	<u>North River</u>	<u>East County Line county line (S1, T76N, R26W) to East Line of east</u> <u>line (S17, T76N, R28W)</u>
	<u>South Fork Clanton Creek</u>	<u>Mouth (S15, T74N, R27W) to confluence with Bird Creek (S15, T74N, R27W)</u>
	<u>Thompson River</u>	<u>All South county line (S34, T74N, R29W) to west county line (S7, T74N,</u> <u>R29W)</u>
	<u>West Branch Creek</u>	<u>Mouth (S34, T74N, R29W) to confluence with unnamed tributary (S19, T74N,</u> <u>R29W)</u>
Mahaska	<u>Cedar Creek</u>	<u>West County Line county line (S31, T75N, R17W) to Mouth at Des Moines</u> <u>River-mouth (S33, T75N, R17W)</u>
	<u>Coal Creek</u>	<u>Mouth (S1, T74N, R17W) to confluence with North Coal Creek (S1, T74N,</u> <u>R17W)</u>
	<u>Des Moines River</u>	<u>All South county line (S36, T74N, R16W) to west county line (S18, T75N,</u> <u>R17W)</u>
	<u>English Creek</u>	<u>Mouth (S18, T75N, R17W) to west county line (S18, T75N, R17W)</u>

	<u>Middle Creek</u>	<u>Mouth (S35, T76N, R14W) to confluence with unnamed tributary (S16, T76N, R15W)</u>
	<u>Moon Creek</u>	<u>Mouth (S30, T77N, R14W) to north county line (S1, T77N, R15W)</u>
	<u>Muchakinock Creek</u>	<u>South county line (S36, T74N, R16W) to confluence with Little Muchakinock Creek (S34, T75N, R16W)</u>
	<u>North Skunk River</u>	All <u>East county line (S1, T75N, R14W) to north county line (S1, T77N, R16W)</u>
	<u>South English River</u>	<u>East county line (S1, T77N, R14W) to confluence with unnamed tributary (S1, T77N, R14W)</u>
	<u>South Skunk River</u>	All <u>East county line (S25, T75N, R14W) to west county line (S19, T77N, R17W)</u>
Marion	<u>Carruthers Creek</u>	<u>Mouth (S33, T74N, R19W) to confluence with Hickory Creek (S33, T74N, R19W)</u>
	<u>Cedar Creek</u>	<u>East county line (S36, T75N, R18W) to south county line (S31, T74N, R18W)</u>
	<u>Coal Creek</u>	<u>West county line (S7, T76N, R21W) to confluence with Coon Creek (S29, T76N, R21W)</u>
	<u>Des Moines River</u>	All <u>East county line (S13, T75N, R18W) to west county line (S7, T77N, R21W)</u>
	<u>English Creek</u>	<u>East county line (S13, T75N, R18W) to confluence with Long Branch (S16, T74N, R20W)</u>
	<u>North Cedar Creek</u>	<u>Mouth (S15, T74N, R18W) to confluence with Carruthers Creek (S33, T74N, R19W)</u>
	<u>South Skunk River</u>	All <u>East county line (S24, T77N, R18W) to north county line (S5, T77N, R18W)</u>
	<u>White Breast Creek</u>	West County Line <u>county line (S18, T74N, R21W) to Mouth at Des Moines River mouth (S16, T76N, R19W)</u>
Marshall	<u>Honey Creek</u>	North County Line <u>county line (S6, T85N, R19W) to Mouth at Iowa River mouth (S27, T85N, R19W)</u>
	<u>Iowa River</u>	All <u>East county line (S1, T83N, R17W) to north county line (S2, T85N, R19W)</u>
	<u>Minerva Creek</u>	<u>Mouth (S2, T84N, R19W) to NW 1/4, S9, T85N, R20W to Mouth at Iowa River</u>
	<u>South Timber Creek</u>	<u>Mouth (S17, T83N, R17W) to confluence with Brush Creek (S32, T83N, R17W)</u>
	<u>Timber Creek</u>	<u>County road bridge in (S24, T83N, R18W) to Mouth at Iowa River mouth (S3, T83N, R17W)</u>
	<u>Wolf Creek</u>	<u>North county line (S2, T85N, R17W) to north county line (S2, T85N, R17W)</u>
Mills	<u>Farm Creek</u>	<u>Mouth (S9, T73N, R40W) to north county line (S1, T73N, R40W)</u>
	<u>Keg Creek</u>	<u>Mouth (S6, T71N, R43W) to confluence with Snake Creek (S8, T73N, R42W)</u>

	Missouri River	All <u>South county line (S32, T71N, R43W) to north county line (S2, T73N, R44W)</u>
	Silver Creek	<u>Mouth (S21, T71N, R41W) to north county line (S6, T73N, R41W)</u>
	West Nishnabotna River	All <u>South county line (S32, T71N, R41W) to north county line (S3, T73N, R40W)</u>
Mitchell	Cedar River	South Line <u>county line (S13, T97N, R17W) to North Line</u> <u>north county line (S8, T100N, R18W)</u>
	Deer Creek	Mouth (S23, T99N, R18W) to West County Line <u>west county line (S6, T99N, R18W)</u>
	Little Cedar River	South Line <u>county line (S13, T97N, R15W R16W) to North Line S7</u> <u>north county line (S9, T100N, R16W)</u>
	Otter Creek	Mouth at (S21, T100N, R18W) to North Line <u>north county line (S11, T100N, R18W)</u>
	Rock Creek	South County Line <u>county line (S14, T97N, R17W) to Road Crossing, West</u> <u>Line west line (S7, T97N, R17W)</u>
	Spring Creek	Mouth (S13, T97N, R17W) to North Line of <u>north line (S29, T98N, R16W)</u>
	Turtle Creek	Mouth (S23, T99N, R18W) to North Line S7 <u>north line (S8, T99N, R15W R17W)</u>
	Wapsipinicon River	East County Line upstream <u>county line (S13, T98N, R15W) to North Line of</u> <u>north line (S20, T100N, R15W)</u>
Monona	East Soldier River	<u>Mouth (S34, T84N, R42W) to east county line (S36, T84N, R42W)</u>
	Farmers Garretson Outlet	<u>Mouth (S9, T85N, R45W) to north county line (S5, T85N, R45W)</u>
	Ditch	
	Haitz Ditch	<u>Mouth (S12, T84N, R45W) to north county line (S2, T85N, R45W)</u>
	Little Sioux River	All <u>South county line (S32, T82N, R44W) to north county line (S2, T85N, R44W)</u>
	Maple River	Mouth at Little Sioux River (S16, T83N, R44W) to North County Line <u>north county line (S5, T85N, R42W)</u>
	Missouri River	All <u>South county line (S36, T82N, R46W) to north county line (S6, T85N, R47W)</u>
	Monona Harrison Ditch	<u>South county line (S31, T82N, R44W) to confluence of West Fork Ditch and</u> <u>Haitz Ditch (S12, T84N, R45W)</u>
	Soldier River	All <u>South county line (S31, T82N, R43W) to east county line (S25, T85N, R42W)</u>
	West Fork, Little Sioux River Ditch	Mouth at Little Sioux River (S12, T84N, R45W) to North County Line <u>north county line (S4, T85N, R45W)</u>

Monroe	<u>Cedar Creek</u>	<u>North county line (S6, T73N, R18W) to confluence with Mormon Branch (S5, T71N, R18W)</u>
	<u>Des Moines River</u>	<u>East county line (S1, T73N, R16W) to north county line (S1, T73N, R16W)</u>
	<u>Mormon Branch</u>	<u>Mouth (S5, T71N, R18W) to confluence with Moffatt Branch (S21, T71N, R18W)</u>
	<u>Muchakinock Creek</u>	<u>East county line (S1, T73N, R16W) to north county line (S1, T73N, R16W)</u>
	<u>Soap Creek</u>	<u>South county line (S32, T71N, R16W) to confluence with Mormon Creek (S31, T71N, R16W)</u>
	<u>Whites Creek</u>	<u>Mouth (S21, T73N, R18W) to confluence with English Branch (S30, T73N, R18W)</u>
Montgomery	<u>East Nishnabotna River</u>	All <u>South county line (S36, T71N, R39W) to north county line (S1, T73N, R38W)</u>
	<u>Middle Nodaway River</u>	Mouth at Nodaway River <u>(S33, T71N, R36W) to East County Line east county line (S36, T72N, R36W)</u>
	<u>Sevenmile Creek</u>	<u>Mouth (S33, T73N, R36W) to north county line (S6, T73N, R36W)</u>
	<u>Tarkio River</u>	<u>South county line (S32, T71N, R37W) to confluence with Litte Tarkio Creek (S4, T71N, R37W)</u>
	<u>West Nodaway River</u>	All <u>South county line (S33, T71N, R36W) to north county line (S2, T73N, R36W)</u>
Muscatine	<u>Cedar River</u>	All <u>South county line (S32, T76N, R04W) to north county line (S6, T78N, R02W)</u>
	<u>Mississippi River</u>	All <u>South county line (S34, T76N, R02W) to east county line (S24, T77N, R01E)</u>
	<u>Mud Creek</u>	West Line of <u>Mouth (S10, T78N, R02W) to west line (S5, T78N, R1E R01E) to Mouth at Sugar Creek</u>
	<u>Muscatine Slough</u>	South Line of S4 <u>county line (S36, T76N, R2W R03W) to South County Line south line (S5, T76N, R02W)</u>
	<u>Pike Run</u>	South Line of <u>Mouth (S19, T77N, R03W) to south line (S34, T78N, R3W R03W) to S19, T77N, R3W</u>
	<u>Pine Creek</u>	Wildcat Den State Park to Mouth at Mississippi River <u>Mouth (S21, T77N, R01E) to confluence with East Branch Pine Creek (S17, T77N, R01E)</u>
	<u>Sugar Creek</u>	North County Line to Mouth at the Cedar River <u>Mouth (S17, T78N, R02W) to north county line (S3, T78N, R02W)</u>
	<u>Wapsinonoc Creek</u>	North County Line to Mouth at the Cedar River <u>Mouth (S19, T77N, R03W) to confluence of East Branch and Middle Branch (S6, T78N, R03W)</u>
	<u>Weise Slough</u>	<u>S19, T78N, R3W R02W</u>
	<u>West Branch Wapsinonoc</u>	<u>Mouth (S24, T78N, R04W) to north county line (S4, T78N, R04W)</u>

	<u>Creek</u>	
O'Brien	<u>Floyd River</u>	<u>West county line (S30, T97N, R42W) to confluence with North Fork Floyd River (S9, T97N, R41W)</u>
	<u>Little Sioux River</u>	All <u>South county line (S34, T94N, R39W) to east county line (S25, T94N, R39W)</u>
	<u>Mill Creek</u>	<u>South county line (S34, T94N, R41W) to confluence with West Branch Mill Creek (S4, T95N, R41W)</u>
	<u>Ocheyedan River</u>	All <u>East county line (S12, T97N, R39W) to north county line (S2, T97N, R39W)</u>
	<u>Waterman Creek</u>	<u>Mouth (S26, T94N, R39W) to confluence with Little Waterman Creek (S4, T95N, R39W)</u>
Osceola	<u>Little Rock River</u>	All <u>West county line (S30, T100N, R42W) to north county line (S7, T100N, R42W)</u>
	<u>Ocheyedan River</u>	All <u>South county line (S35, T98N, R39W) to north county line (S12, T100N, R41W)</u>
	<u>Otter Creek</u>	<u>West county line (S31, T98N, R42W) to confluence with Cloverdale Creek (S31, T99N, R41W)</u>
Page	<u>East Nishnabotna River</u>	All <u>West county line (S18, T69N, R39W) to north county line (S1, T70N, R39W)</u>
	<u>East Nodaway River</u>	East County Line to Mouth at the Nodaway River <u>Mouth (S7, T67N, R36W) to east county line (S1, T69N, R36W)</u>
	<u>Nodaway River</u>	All <u>South county line (S31, T67N, R36W) to confluence of East and West Nodaway Rivers (S7, T67N, R36W)</u>
	<u>Tarkio River</u>	Hwy. 2 to South County Line <u>county line (S32, T67N, R38W) to north county line (S5, T70N, R37W)</u>
	<u>West Nodaway River</u>	<u>Mouth (S7, T67N, R36W) to north county line (S4, T70N, R36W)</u>
Palo Alto	<u>Cylinder Creek</u>	Confluence <u>Mouth (S28, T94N, R31W) to confluence with DD#21, Dry Ditch (S24, T95N, R32W)</u>
	<u>Des Moines River</u>	<u>South county line (S35, T94N, R31W) to north county line (S4, T97N, R33W)</u>
	<u>Jack Creek</u>	<u>Mouth (S35, T97N, R33W) to West Line of west line (S11, T97N, R33W)</u>
	West Fork, Des Moines River	All
Plymouth	<u>Big Sioux River</u>	All <u>South county line (S34, T90N, R48W) to north county line (S5, T93N, R48W)</u>
	<u>Broken Kettle Creek</u>	<u>Mouth (S9, T90N, R48W) to confluence with Bull Run (S25, T92N, R48W)</u>
	<u>Deep Creek</u>	<u>Mouth (S2, T92N, R45W) to confluence with unnamed tributary (SE 1/4, NW 1/4, S28, T93N, R43W)</u>
	<u>Floyd River</u>	All <u>South county line (S31, T90N, R46W) to north county line (S6, T93N, R44W)</u>
	<u>Indian Creek</u>	<u>Mouth (S9, T93N, R48W) to north county line (S4, T93N, R47W)</u>
	<u>Mink Creek</u>	<u>Mouth (S35, T92N, R46W) to confluence with unnamed tributary (S16, T92N,</u>

		<u>R46W)</u>
	<u>Perry Creek</u>	<u>South county line (S33, T90N, R47W) to confluence with West Branch Perry Creek (S33, T90N, R47W)</u>
	<u>West Branch Floyd River</u>	<u>Mouth (S2, T91N, R46W) to north county line (S5, T93N, R45W)</u>
	<u>West Fork Little Sioux River</u>	All <u>South county line (S34, T90N, R44W) to east county line (S36, T91N, R43W)</u>
	<u>Whiskey Creek</u>	<u>Mouth (S36, T91N, R43W) to confluence with unnamed tributary (NE 1/4, NW 1/4, S2, T91N, R43W)</u>
	<u>Willow Creek</u>	<u>Mouth (S9, T92N, R45W) to confluence with Deep Creek (S2, T92N, R45W)</u>
Pocahontas	<u>Des Moines River</u>	<u>East county line (S1, T92N, R31W) to north county line (S2, T93N, R31W)</u>
	<u>Lizard Creek</u>	West Line of to East County Line <u>East county line (S13, T90N, R31W) to west line (S2, T90N, R31W)</u>
	<u>North Branch Lizard Creek</u>	Mouth (S2, T90N, R31W) to North Line of north line (S6, T91N, R31W)
	<u>Pilot Creek</u>	West Line of S9, T92N, R31W to Mouth with the West Fork, Des Moines River <u>Mouth (S1, T92N, R31W) to west line (S4, T92N, R31W)</u>
	West Fork, Des Moines River	All
Polk	<u>Beaver Creek</u>	All <u>Mouth (S17, T79N, R24W) to west county line (S18, T80N, R25W)</u>
	<u>Des Moines River</u>	All <u>East county line (S12, T77N, R22W) to west county line (S30, T81N, R25W)</u>
	<u>Fourmile Creek</u>	<u>Mouth (S16, T78N, R23W) to South Line of south line (S1, T80N, R24W)</u>
	<u>Indian Creek</u>	All <u>East county line (S13, T81N, R22W) to north county line (S3, T81N, R22W)</u>
	<u>North River</u>	All <u>Mouth (S36, T78N, R23W) to south county line (SW 1/4, SW 1/4, S34, T78N, R23W)</u>
	<u>Raccoon River</u>	All <u>Mouth (S10, T78N, R24W) to east county line (S30, T78N, R25W)</u>
	<u>South River</u>	<u>Mouth (S12, T77N, R22W) to south county line (S12, T77N, R22W)</u>
	<u>South Skunk River</u>	All <u>East county line (S25, T80N, R22W) to north county line (S3, T81N, R23W)</u>
	<u>Walnut Creek</u>	All <u>Mouth (S13, T78N, R25W) to west county line (S30, T79N, R25W)</u>
Pottawattamie	<u>Boyer River</u>	<u>Mouth (S20, T77N, R44W) to north county line (S4, T77N, R44W)</u>
	<u>East Branch West Nishnabotna River</u>	<u>Mouth (S29, T77N, R39W) to north county line (S3, T77N, R39W)</u>
	<u>East Nishnabotna River</u>	All <u>South county line (S36, T74N, R38W) to east county line (S36, T75N, R38W)</u>
	<u>Farm Creek</u>	<u>South county line (S36, T74N, R40W) to confluence with Jordan Creek (S31, T74N, R39W)</u>

Poweshiek	Missouri River	All <u>South county line (S35, T74N, R44W) to north county line (S3, T77N, R45W)</u>
	<u>Mosquito Creek</u>	<u>Mouth (S30, T74N, R43W) to confluence with unnamed tributary (NW 1/4, S10, T76N, R42W)</u>
	<u>Pigeon Creek</u>	<u>Mouth (S3, T75N, R44W) to confluence with Potato Creek (S23, T77N, R43W)</u>
	<u>Pony Creek</u>	<u>Mouth (S30, T74N, R43W) to confluence with unnamed tributary (center of S28, T74N, R43W)</u>
	<u>Silver Creek</u>	<u>South county line (S31, T74N, R41W) to confluence with Middle Silver Creek (S31, T74N, R41W)</u>
	West Nishnabotna River	All <u>South county line (S34, T74N, R40W) to north county line (S5, T77N, R39W)</u>
	<u>Big Bear Creek</u>	<u>East county line (S13, T80N, R13W) to confluence with unnamed tributary (NW 1/4, S8, T80N, R14W) to the East County Line</u>
	North Fork, English River	North Line of S23, T79N, R14W to East County Line <u>county line (S24, T79N, R13W) to confluence with Dugout Creek (S15, T79N, R14W)</u>
	<u>Moon Creek</u>	<u>South county line (S36, T78N, R15W) to confluence with unnamed tributary (NE 1/4, S26, T78N, R15W)</u>
	North Skunk River	All <u>South county line (S36, T78N, R16W) to west county line (S18, T78N, R16W)</u>
Ringgold	<u>Sugar Creek</u>	<u>Mouth (S20, T78N, R16W) to confluence with unnamed tributary (NW 1/4, S31, T79N, R16W)</u>
	<u>Walnut Creek</u>	<u>East county line (S1, T81N, R13W) to confluence with North Walnut Creek (S7, T81N, R13W)</u>
	East Fork, Grand River	South County Line to Hwy. 2 <u>county line (S25, T67N, R30W) to confluence with Hackberry Creek (S13, T70N, R29W)</u>
	Grand River	South County Line to Hwy. 66 <u>county line (S30, T67N, R31W) to confluence with Plum Creek (S29, T70N, R30W)</u>
	Platte River	All <u>West county line (S31, T68N, R31W) to north county line (S6, T70N, R31W)</u>
Sac	Thompson River	All <u>East county line (S1, T70N, R28W) to north county line (S1, T70N, R28W)</u>
	Big Cedar Creek	West Line of S10, T88N, R35W to the Mouth at the North Raccoon River
	Boyer River	West Line of <u>South county line (S31, T86N, R37W) to west line (S5, T89N, R37W) to South County Line</u>
	<u>Cedar Creek</u>	<u>Mouth (S25, T88N, R36W) to west line (S10, T88N, R35W)</u>
	<u>Drainage Ditch 57</u>	<u>Mouth (S23, T87N, R36W) to east line (S35, T87N, R36W)</u>
	Indian Creek	North Line of <u>Mouth (S24, T87N, R36W) to north line (S7, T87N, R36W) to Mouth at the North Raccoon River</u>
	North Raccoon River	All <u>East county line (S1, T86N, R35W) to north county line (S1, T89N, R36W)</u>

Scott	Outlet Creek	East Line of S35, T87N, R36W to Mouth at Indian Creek
	<u>Hickory Creek</u>	<u>Mouth (S31, T80N, R02E) to confluence with unnamed tributary (S8, T79N, R02E)</u>
	Lost Creek	North Line of S32, T80N, R5E to Mouth at the Wapsipinicon River <u>Mouth (S15, T80N, R05E) to east line (S32, T80N, R05E)</u>
	Mississippi River	All <u>West county line (S19, T77N, R02E) to north county line (S13, T80N, R05E)</u>
	Mud Creek	Country Road Bridge in Mouth (S12, T80N, R02E) to county road bridge (S11, T79N, R1E R01E) to Mouth at the Wapsipinicon River
Shelby	Wapsipinicon River	All <u>Mouth (S13, T80N, R05E) to north county line (S1, T80N, R01E)</u>
	<u>East Branch West</u>	<u>South county line (S34, T78N, R39W) to east county line (S13, T80N, R37W)</u>
	<u>Nishnabotna River</u>	
	<u>Indian Creek</u>	<u>South county line (S32, T78N, R37W) to confluence with unnamed tributary (S8, T78N, R37W)</u>
	<u>West Fork West</u>	<u>Mouth (S17, T79N, R38W) to north county line (S5, T81N, R38W)</u>
Sioux	<u>Nishnabotna River</u>	
	<u>West Nishnabotna River</u>	<u>South county line (S32, T78N, R39W) to north county line (S2, T81N, R37W)</u>
	Big Sioux River	All <u>South county line (S32, T94N, R48W) to west county line (S6, T97N, R48W)</u>
	Floyd River	Hwy. 18 to South County Line <u>county line (S31, T94N, R44W) to east county line (S25, T97N, R43W)</u>
	<u>Indian Creek</u>	<u>South county line (S33, T94N, R47W) to confluence with unnamed tributary (S33, T94N, R47W)</u>
	<u>Otter Creek</u>	<u>North county line (S2, T97N, R44W) to north county line (S1, T97N, R43W)</u>
	Rock River	All <u>Mouth (S1, T95N, R48W) to north county line (S2, T97N, R46W)</u>
	<u>Sixmile Creek</u>	<u>Mouth (S28, T94N, R48W) to confluence with unnamed tributary (S19, T95N, R46W)</u>
	<u>West Branch Floyd River</u>	<u>South county line (S32, T94N, R45W) to confluence with unnamed tributary (S8, T96N, R44W)</u>
Story	East Indian Creek	Mouth (S16, T82N, R22W) to Highway Hwy. 30 (S14, T83N, R22W)
	Indian Creek	South County Line to Confluence with East and West Branches in S16, T82N, R22W <u>Mouth (S34, T82N, R22W) to confluence of East and West Indian Creek S (S16, T82N, R22W)</u>
	<u>South Skunk River</u>	All <u>South county line (S34, T82N, R23W) to north county line (S6, T85N, R23W)</u>
	Squaw Creek	Mouth (S12, T83N, R24W) to West County Line <u>west county line (S7, T84N, R24W)</u>
	West Indian Creek	Mouth (S16, T82N, R22W) to Highway Hwy. 30 (S18, T83N, R22W)

Tama	<u>Deer Creek</u>	<u>Mouth (S34, T83N, R15W) to confluence with Crystal Creek (S10, T84N, R16W)</u>
	<u>East Branch Salt Creek</u>	<u>Mouth (S34, T84N, R13W) to confluence with Stein Creek (S26, T84N, R13W)</u>
	<u>Iowa River</u>	All <u>East county line (S36, T82N, R13W) to west county line (S6, T83N, R16W)</u>
	<u>Salt Creek</u>	West Line of S28, T84N, R13W to Mouth at the Iowa River <u>East county line (S36, T82N, R13W) to confluence with Simpson Creek (S18, T84N, R13W)</u>
	<u>Stein Creek</u>	<u>Mouth (S26, T84N, R13W) to confluence with unnamed tributary (S24, T84N, R13W)</u>
Taylor	<u>Twelvemile Creek</u>	<u>Mouth (S19, T86N, R13W) to confluence with Rock Creek (S23, T86N, R14W)</u>
	<u>Wolf Creek</u>	All <u>East county line (S24, T86N, R13W) to west county line (S31, T86N, R16W)</u>
	<u>East Fork, 102 One Hundred Two River</u>	Hwy. 49 to South County Line <u>South county line (S31, T67N, R34W) to Hwy. 49 (S1, T69N, R33W)</u>
	<u>East Nodaway River</u>	<u>West county line (S6, T69N, R25W) to north county line (S6, T70N, R35W)</u>
	<u>Platte River</u>	All <u>South county line (S28, T67N, R32W) to east county line (S36, T68N, R32W)</u>
	<u>West Fork, 102 Branch One Hundred Two River</u>	Hwy. 2 to South County Line <u>Mouth (S10, T68N, R35W) to confluence with Middle Branch One Hundred Two River (S6, T69N, R34W)</u>
	<u>West Fork One Hundred Two River</u>	<u>South county line (S34, T67N, R35W) to confluence with West Branch One Hundred Two River (S10, T68, R35W)</u>
Union	<u>Platte River</u>	All <u>South county line (S31, T71N, R31W) to S2, T73N, R31W</u>
	<u>Thompson River</u>	All <u>South county line (S36, T71N, R28W) to north county line (S3, T73N, R29W)</u>
	<u>Threemile Creek</u>	<u>Mouth (S18, T72N, R28W) to confluence with Twomile Creek (S11, T72N, R29W)</u>
	<u>West Branch Creek</u>	<u>North county line (NE 1/4, S3, T73N, R29W) to north county line (NW 1/4, S3, T73N, R29W)</u>
Van Buren	<u>Cedar Creek</u>	All <u>East county line (SE 1/4, S12, T70N, R08W) to north county line (S5, T70N, R08W)</u>
	<u>Chequest Creek</u>	<u>Mouth (S27, T69N, R10W) to west county line (S7, T69N, R11W)</u>
	<u>Des Moines River</u>	All <u>East county line (S13, T67N, R08W) to west county line (S7, T70N, R11W)</u>
	<u>Fox River</u>	<u>South county line (S17, T67N, R09W) to west county line (S6, T68N, R11W)</u>
	<u>Lick Creek</u>	<u>Mouth (S1, T69N, R10W) to north county line (S5, T70N, R10W)</u>
Wapello	<u>Cedar Creek</u>	<u>East county line (S13, T72N, R12W) to confluence with Spring Creek (S17, T73N, R13W)</u>
	<u>Des Moines River</u>	All <u>South county line (S35, T71N, R12W) to west county line (S6, T73N, R15W)</u>
	<u>Muchakinock Creek</u>	<u>Mouth (S6, T73N, R15W) to west county line (S6, T73N, R15W)</u>
	<u>Soap Creek</u>	<u>South county line (S35, T71N, R12W) to south county line (S34, T71N, R12W)</u>
Warren	<u>Badger Creek</u>	<u>Mouth (S33, T77N, R25W) to west county line (S19, T77N, R25W)</u>

	Clanton Creek	West County Line to Mouth at Des Moines River <u>Mouth (S28, T76N, R25W) to west county line (S7, T75N, R25W)</u>
	Coal Creek	<u>Mouth (S14, T77N, R22W) to east county line (S12, T76N, R22W)</u>
	Des Moines River	<u>East county line (S12, T77N, R22W) to north county line (S6, T77N, R22W)</u>
	Middle River	West County Line to Mouth at Des Moines River <u>Mouth (S9, T77N, R22W) to west county line (S30, T76N, R25W)</u>
	North River	All <u>North county line (S2, T77N, R23W) to west county line (S6, T76N, R25W)</u>
	Otter Creek	<u>Mouth (S34, T76N, R23W) to south county line (S32, T74N, R23W)</u>
	South River	All <u>Mouth (S12, T77N, R22W) to west county line (S19, T74N, R25W)</u>
	Squaw Creek	<u>Mouth (S2, T75N, R24W) to south county line (S36, T74N, R25W)</u>
	White Breast White Breast Creek	All <u>East county line (S13, T74N, R22W) to south county line (S35, T74N, R22W)</u>
	Washington Camp Creek	North Line of <u>Mouth (S17, T77N, R07W) to north line (S33, T77N, R7W R07W) to the Mouth at English River</u>
	Clemons Creek	West Line of <u>Mouth (S14, T75N, R08W) to west line (S9, T75N, R8W R08W) to the South Line S14, T75N, R8W</u>
	Crooked Creek	East Line of S28, T76N, R9W to Henry County Line <u>South county line (S31, T74N, R07W) to confluence of East and West Forks (S24, T74N, R07W)</u>
	Dutch Creek	South Line of <u>Mouth (S8, T74N, R09W) to south line (S21, T75N, R9W R09W) to the Mouth at the Skunk River</u>
	East Fork; Crooked Creek	All <u>Mouth (S24, T74N, R07W) to south county line (S35, T74N, R06W)</u>
	English River	All <u>East county line (S11, T77N, R06W) to north county line (S6, T77N, R09W)</u>
	Goose Creek	East County Line <u>county line (S24, T76N, R06W) to East Line of east line (S22, T76N, R6W R06W)</u>
	Honey Creek	<u>Mouth (S9, T74N, R09W) to Lake Darling (S21, T74N, R09W)</u> to Mouth at the Skunk River
	Iowa River	All <u>East county line (S36, T77N, R06W) to north county line (S3, T77N, R06W)</u>
	Lime Creek	<u>Mouth (S9, T77N, R08W) to confluence with Smith Creek (S16, T77N, R08W)</u>
	Long Creek	East County Line <u>county line (S25, T75N, R06W) to confluence of North and South Forks to West Line of (S26, T75N, R6W R06W)</u>
	North Fork; Long Creek	East Line of <u>Mouth (S26, T75N, R06W) to east line (S3, T75N, R7W R07W) to Mouth at Long Creek</u>
	Skunk River	All <u>South county line (S36, T74N, R08W) to west county line (S6, T74N, R09W)</u>
	Smith Creek	West County Line to Mouth at the English River <u>Mouth (S16, T77N, R08W) to</u>

		<u>west county line (S19, T77N, R09W)</u>
	<u>South English River</u>	<u>Mouth (S6, T77N, R09W) to west county line (S7, T77N, R09W)</u>
	South Fork, Long Creek	<u>Mouth (S26, T75N, R06W) to County Road H64 W61 (S4, T75N, R07W)</u> to Mouth at Long Creek
	<u>West Fork Crooked Creek</u>	<u>Mouth (S24, T74N, R07W) to east line (S28, T76N, R09W)</u>
	Williams Creek	South County Line to Mouth at East Fork, Crooked Creek <u>Mouth (S31, T74N, R07W) to south county line (S32, T74N, R06W)</u>
Wayne	Chariton River	All <u>East county line (S1, T70N, R20W) to north county line (S1, T70N, R20W)</u>
	South Fork Chariton River	Rathbun Lake to County Road 556 <u>East county line (S36, T70N, R20W) to Confluence with Dick Creek (S16, T69N, R22W)</u>
Webster	<u>Boone River</u>	<u>Mouth (S36, T87N, R27W) to east county line (S25, T87N, R27W)</u>
	Brushy Creek	North Line of <u>Mouth (S15, T87N, R27W) to north line (S8, T88N, R27W)</u> to Mouth at the Des Moines River
	Deer Creek	North Line of <u>Mouth (S24, T90N, R29W) to north line (S16, T90N, R29W)</u> to Mouth at the Des Moines River
	Des Moines River	All <u>South county line (S34, T86N, R27W) to north county line (S6, T90N, R28W)</u>
	North Branch, Lizard Creek	West County Line to Mouth at Des Moines River <u>Mouth (S19, T89N, R28W) to west county line (S18, T90N, R30W)</u>
	Prairie Creek	West Line of <u>Mouth (S35, T88N, R28W) to west line (S29, T88N, R28W)</u> to Mouth at the Des Moines River
	South Branch, Lizard Creek	<u>Mouth (S23, T89N, R29W) to West County Line west county line (S7, T89N, R30W)</u>
Winnebago	Winnebago River	All <u>South county line (S36, T98N, R24W) to north county line (S9, T100N, R23W)</u>
Winneshiek	Bear Creek	East County Line <u>county line (S25, T100N, R07W) to County Road A24 in S34, T100N, R15W</u> <u>confluence of North and South Bear Creek (S25, T100N, R07W)</u>
	Canoe Creek	East County Line <u>Mouth (S25, T99N, R07W) to West Line west line (S8, T99N, R8W R08W)</u>
	Little Turkey River	All <u>South county line (S32, T96N, R10W) to west county line (S30, T96N, R10W)</u>
	North Bear Creek	<u>Mouth (S25, T100N, R07W) upstream to Confluence</u> <u>confluence with Middle Bear Creek in (S14, T100N, R7W R07W)</u>
	Paint Creek	<u>East Line county line (S13, T99N, R7W R07W) to West Line west line (S11, T99N, R07W)</u>
	<u>South Bear Creek</u>	<u>Mouth (S25, T100N, R07W) to confluence with unnamed tributary (NW 1/4, S34,</u>

		<u>T100N, R07W)</u>
	Turkey River	All <u>South county line (S34, T96N, R09W) to west county line (S7, T98N, R10W)</u>
	Upper Iowa River	All <u>East county line (NE 1/4, NE 1/4, S25, T99N, R07W) to west county line (S7, T100N, R10W)</u>
	<u>Yellow River</u>	<u>East county line (S13, T96N, R07W) to confluence with North Fork Yellow River (S13, T96N, R07W)</u>
Woodbury	Big Sioux River	All <u>Mouth (S31, T89N, R47W) to north county line (S3, T89N, R48W)</u>
	<u>Farmers Ditch</u>	<u>Mouth (S32, T86N, R45W) to confluence with Big Whiskey Creek (S31, T88N, R46W)</u>
	<u>Farmers Garretson Outlet Ditch</u>	<u>South county line (S32, T86N, R45W) to confluence with Farmers Ditch (S32, T86N, R45W)</u>
	Floyd River	All <u>Mouth (S33, T89N, R47W) to north county line (S6, T89N, R46W)</u>
	<u>Garretson Ditch</u>	<u>Mouth (S32, T86N, R45W) to confluence with Camp Creek (S15, T87N, R46W)</u>
	<u>Haitz Ditch</u>	<u>South county line (S35, T86N, R45W) to confluence with Cottonwood Hollow (S35, T86N, R45W)</u>
	Little Sioux River	All <u>South county line (S35, T86N, R44W) to east county line (S12, T89N, R42W)</u>
	Maple River	All <u>South county line (S32, T86N, R42W) to east county line (S13, T86N, R42W)</u>
	Missouri River	All <u>South county line (S31, T86N, R47W) to confluence with Big Sioux River (S31, T89N, R47W)</u>
	<u>Perry Creek</u>	<u>Mouth (S32, T89N, R47W) to north county line (S4, T89N, R47W)</u>
	<u>West Fork Ditch</u>	<u>South county line (S33, T86N, R45W) to confluence with West Fork Little Sioux River (S9, T86N, R45W)</u>
	West Fork, Little Sioux River	All <u>Confluence with West Fork Ditch (S9, T86N, R45W) to north county line (S2, T89N, R44W)</u>
	<u>Wolf Creek</u>	<u>South county line (S35, T86N, R45W) to confluence with East Fork Wolf Creek (S30, T87N, R44W)</u>
Worth	Beaver Creek	<u>Mouth (S34, T98N, R22W) to Hwy. 9 (S28, T98N, R22W) to Mouth at Winnebago River</u>
	Deer Creek	<u>East county line (S1, T99N, R19W) to County Road S56 (S17, T100N, R19W) to East County Line</u>
	Elk Creek	<u>Mouth (S27, T99N, R20W) to Hwy. 105 (S5, T99N, R22W) to Mouth at Shell Rock River</u>
	Shell Rock River	All <u>South county line (S32, T98N, R19W) to north county line (S12, T100N, R21W)</u>
	Willow Creek	<u>Mouth (S32, T98N, R21W) to Hwy. 9 (S20, T98N, R21W) to Mouth at Winnebago</u>

		River
	Winans Creek	Mouth (S36, T98N, R22W) to Hwy. 9 (S24, T98N, R22W) to Mouth at Winnebago
		River
	<u>Winnebago River</u>	<u>South county line (SE 1/4, SW 1/4, S32, T98N, R21W) to south county line (S34, T98N, R22W)</u>
Wright	Boone River	All <u>South county line (S34, T90N, R26W) to north county line (S2, T93N, R26W)</u>
	Eagle Creek	<u>South county line (S31, T90N, R25W) to County Road R33 (S30, T91N, R25W) to</u>
		South County Line
	East Fork, Branch Iowa River	North County Line to Mouth at Iowa River <u>Mouth (S19, T93N, R23W) to</u>
		<u>north county line (S6, T93N, R23W)</u>
	Iowa River	South Line of S19, T93N, R23W to East County Line <u>county line (S13, T90N, R23W) to confluence of East Branch Iowa River and West Branch Iowa River (S19, T93N, R23W)</u>
	Otter Creek	<u>Mouth (S29, T92N, R26W) to West Line west line (S14-S11, T92N, R26W)</u>
	<u>Prairie Creek</u>	<u>Mouth (S30, T93N, R26W) to west county line (S30, T93N, R26W)</u>
	West Fork, Branch Iowa River	North County Line to Mouth at Iowa River <u>Mouth (S19, T93N, R23W) to</u>
		<u>north countyline (S2, T93N, R24W)</u>
	White Fox Creek	<u>South county line (S34, T90N, R25W) to County Road R38 (S36, T91N, R25W)</u>
		to South County Line

Date

Jeffrey R. Vonk, Director